

### **VP-Publications Column** (Continued from Page 1)

I believe that the Manuscript Central reviewing function will be made much better for the Associate Editors, and that timely intervention in lagging papers is a good step in the direction of the 90-day average turn-around time (from author submittal to return of reviews to the author) that IEEE wishes.

One of the goals that CPMT president Bill Chen has articulated is for each functional area of the Society to work proactively with other CPMT entities and with our stakeholders – authors, researchers, volunteers, institutions. I began a project in the 1990's to building relationships with our various journal stakeholders – Editors, Reviewers, Authors, and corporate/university subscribers – through Editorial Board meetings at major and mid-sized conferences. These will continue under Wayne Johnson's leadership, and I may assist in some of them for the next year or so.

In 2007 I began a series of workshops at our major conferences to serve as training sessions with guidelines for writing high-impact papers for our Transactions. Avi Bar-Cohen was instrumental in gathering much of the content, with Ricky Lee monitoring the Impact Factors for us. The first Workshop was at ECTC in Reno, with the second at EPTC in Singapore. You should be able to attend one during 2008 at ECTC in Orlando and at ESTC in London.

The quarterly CPMT NEWSLETTER continues to be printed and mailed, but in 2007 I began a twice-a-quarter e-Newsletter that is emailed to all members as well as to non-members on our ListServ dlist. This has provided a more timely way to bring current events to our members' desktops. This is a project that I may be continuing as I retire as VP of Publications.

A goal of mine has been to extend the reach of the CPMT Society beyond only our paid members, to include 50,000 or more technical professionals in our fields, through collection of conference, chapter, IEL, and other relationship information. My objective has been to meld them into readers of our e-Newsletter and users of our research results and other publications/conferences products.

I'll continue serving as CPMT's webmaster. My interest/focus for the IEEE's Santa Clara Valley Section and its SF Bay Area Council is the new field of social networking (community forums, blogs, RSS, wiki's, collaborative services), and some of these may be useful to the Society at some point for establishing its own communities around the Technical Committees, Chapters, and conferences. I've set up blogging software (WordPress) on my server, and it automatically sends out RSS feeds; this "subscription" technique seems to be replacing email as a way to distribute news to small communities, and therefore it'll be important for the younger engineers that CPMT wishes to attract, both as members and as customers.

It has been a high honor to serve the CPMT Society over the past decades, and I look forward to some level of continuing engagement with the Society and its members.

Best regards, and best wishes always,  
Paul

### **CPMT Society News:**

#### **Results of Election of CPMT Society Officers**

Submitted by Ms. Marsha Tickman, Executive Director, IEEE CPMT Society

Twenty-five voting members participated in the election of CPMT Society Officers, including 18 Members-at-Large -- constituting a quorum.

The following candidates were elected:

PRESIDENT: William T. Chen

VICE PRESIDENT, TECHNICAL: N. Rao Bonda (incumbent)

VICE PRESIDENT, CONFERENCES: Rolf Aschenbrenner (incumbent)

VICE PRESIDENT, PUBLICATIONS: R. Wayne Johnson

VICE PRESIDENT, EDUCATION: Albert F. Puttlitz (incumbent)

VICE PRESIDENT, FINANCE: Thomas G. Reynolds III (incumbent)

The terms of office began on 1 January 2008 and run for two years.

Congratulations to all.

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#### **Your Board Storms Their Brains**

Submitted by Dr. Dave Palmer, IEEE Fellow

Your Board of Governors held a workshop on Friday November 9 until late at night. About 25 volunteers brainstormed on two related topics: How to grow the CPMT Global Community? How to get synergy between the great but independent efforts by many volunteers? First the BOG listed all the stakeholders in the CPMT Global Community so they could see the problems from every perspective.

Examples of individual ideas discussed:

1. What if we had a video made by each CPMT Distinguished lecturer? Perhaps many chapters could use the lectures linked to a telecomm Q & A session without demanding the lecturers to spend days of travel.
2. What if we marketed the Distinguished lecturers to the new chapters. Right now they have a conference emphasis?
3. How can we mutually benefit more from the 500 CPMT *Transactions* authors, 500 reviewers, and 10,000 readers each year? It was pointed out that tech companies pay IEEE \$70M each year to get access to the Society electronics library.
4. Can we make an Internet tutorial that teaches our global community to mine the electronic CPMT documents more effectively?
5. Can we start more Technical Committees whenever we suspect about 25-50 people in the world get interested in one of our hot topics? On the other side, we must be willing to let the TC dissolve after a few years to not waste peoples' time on topic with little interest.
6. Can we formally survey our chapters to see what we could be doing better? Could we establish a resource area on the CPMT website for chapters?
7. Do we have a process to obtain Distinguished Lecturers from all over the world?

8. Should we encourage more focused workshops to let engineers from many organizations get together in an unpublished conversation?
9. Don't avoid supporting existing chapters as new ones are created. Remember chapters are 80% the responsibility of their IEEE Section.
10. Is it possible to do a webcast of the BOG so more volunteers can coordinate their efforts, in particular Chapter Chairs?
11. Would virtual attendees to our conferences get more benefit in less time?

About ten Board members signed up to continue working on one of the two questions during the next six months and present proposed actions at the May ECTC Board meeting.

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## Board of Governors Does Dallas

Submitted by Dr. Dave Palmer, IEEE Fellow

Your Board of Governors showed up 26 strong on November 10<sup>th</sup> in Dallas Texas for their second business meeting of the year.

**President William Chen** presented the State-of-the-Society in the morning. The IC industry was down in the first quarter then strongly up in the second. Most predictions are for a strong 2008. A strong market in integrated circuits results in a strong market for components, packaging, and assembly. As a result, many places in Asia are worried about keeping their experienced engineers. In contrast, the North American job market is not so rosy. When he asks universities "Where do graduate students find jobs in our technologies?" they say the students find positions but in unexpected places. Mainframes and PCs are not driving the advanced packaging industry. The Cell phone market is supporting more advanced development than any other. For example, cell phones support much of the through-silicon vias and 3-D chip stacking development. New approaches are being quickly brought to market. This focus and speed suggest we need training in how global industry functions so graduates can perform efficient design and product engineering in today's industry. How to function on an international scale is different from what most of our members' past experiences have been.

President Chen reported that a record number of papers were submitted to the 2008 ECTC. This conference appears to have become a "must" where companies and engineers try to put their best foot forward. In addition, conferences such as IMPACT in Taiwan, ICEPT in Shanghai, and ISEMP in Korea have gained in strength.

CPMT publications have improved with our conference proceedings now available under the IEEE umbrella purchase plan. We have steps in process to increase the "impact" of our *Transactions* resulting in more papers of interest to our members. A "publications workshop" held at CPMT conferences around the globe should continue to increase the worth of our publications.

Technical Committees are the focus for our conferences and workshops. Hot topics, such as 3-D packaging, should be permitted to have a new TC even if the committee will be done with its work in a few years.

Our short professional development courses have been a great success. We must also become creative in helping Universities teach about our technologies and business methods.

We have three new chapters in Poland, Germany, and Austin-Texas. Many of the existing chapters are remaining active. For the last year the CPMT Award and Recognition process has worked very well. Our Society's fellow nominating process has worked very well with a record number being submitted to the IEEE Fellow committee for determination. Because our Society has many members active for the betterment of our profession, CPMT has a high percentage of Fellows.

CPMT financial condition is excellent after a few years of discipline to bring us back from the edge of bankruptcy. We have been frugal so long that now we need to learn to spend the investment money that we vote for. We must use our resources wisely, but we must use them.

The continual question for the Board is "How can we build better value propositions for our community with publications, conferences, chapters, and education?"

Your President's roles are

1. Be an Ambassador of the Society, especially in global areas of growth
2. Work with the Board to provide more value to members
3. Help Finance Vice President commit resources to the right places.
4. Assist Conferences and Publications when needed.
5. Unite the different thrusts in our Society synergistically.

William Chen has agreed to seek continuation of his presidency for another 2 years.

**Thomas Reynolds**, vice president of finance, presented the details of the CPMT budget. Our conference income is now above \$1M/year and still growing. This has allowed us to fund new or expanded meetings during their start-up period. Our reserve funds are put in an investment pool and the income varies greatly from year to year (sometimes becoming a loss). This year our interest income will be over \$200K. As always Publications are a large part of our Society income thanks to the many pages of quality papers and the many electronic requests for these papers. Our total income will exceed \$2.5M and we will probably have a small excess at the end of the year to add to our reserves.

Tom encouraged all Board members with responsibility to use budgeted money on executing Board plans. Because we can spend 3% of our reserves and 50% of last year's surplus in any given year, we are positioned well for starting new efforts.

**Al Puttlitz**, Vice President of Education, discussed the 9 formal presentations by CPMT Distinguished Lecturers so far this year. Dr. Ning-Cheng Lee of Indium Corporation of America was elected as a new CPMT Distinguished Lecturer. A long discussion ensued about the many presentations made by the 31 Lecturers in the name of CPMT but where no help from the Board is needed. Al would like more Chapters to use the speakers and will try to make it easier for Chapter Presidents to know who is available and how to make arrangements.

Al also described the large submittal of abstracts aimed at the Motorola/CPMT Ph.D Fellowship and CPMT Ph.D Fellowship at the upcoming ECTC08. There were 93 abstracts for the first and 99 for the second. Several of our other meetings (EMAP) are considering larger best paper awards and best student paper awards in order to bring the best work to our conferences.

**Kitty Pearsall**, Strategic Program Director of Awards, had her report given by Al Puttlitz. They announced that the IEEE Field Award in Packaging and Manufacturing Technology was given to Dr. Karl Puttlitz and Mr. Paul Totta for developing and perfecting the C4 interconnection Chip to Substrate Bump Technology. The CPMT Awards Committee has an excellent global mix of university and industry members: Charles Lee of Infineon, Ning-Chin Lee of Indium, Kwang-Lung Lin of National Cheng Kung University-Taiwan, Petri Savolainen of Nokia, Ephraim Suhir of University of California, Ralph Russell of Virginia Power, Klaus-Jurgen Wolter of Technische Universitat Dresden, and Kitty Pearsall of IBM. The committee is glad that they have a number of nominees for the IEEE Field Award lined up but is asking for more nomination for all awards. In particular, it was suggested that CPMT Chapters submit nominations.

A discussion over a proposed "CPMT Regional Technical Contribution Award" brought out a number of interesting points on local versus global awards. The decision was delayed until the Award Committee can go through the feedback and make a new proposal.

**Phil Garrou's** nomination committee report was given by Marsha Tickman. The election results of the Members-at-Large for 2008-2011 were to be announced the following Monday: Steve Bezuk, Kitty Pearsall, Eric Perfecto, Ephraim Suhir, C.P. Wong, and Eric Beyne.

**C.P Wong**, Chair Fellows Committee, stated that 10 high caliber nominating packets were sent to the IEEE Fellow selection committee. Historically about half the nominees are awarded each year. The fellows committee: Ephraim Suhir, Alina Deutsch, George Harman, Rajen Chanchani, C. P. Wong (chair).

**Tony Mak**, Constitution and Bylaws Chair, had his report presented by Marsha Tickman. A lot of our Constitution has been mandated to be moved to the Bylaws to make the organization more flexible. IEEE also dictates that some new wording be inserted that prevents problems that have occurred in other Societies. All members will see these changes in an upcoming Newsletter.

**C. P. Wong** reported on the upcoming ECTC. The organizing committee has lined up 16 leading-edge professional development courses. 616 abstracts were submitted for the meeting. 42% were selected for presentation or poster sessions. An additional student poster session was created. ECA, the cosponsor, will increase their visibility at this conference, however, the ECTC is for the professionals in our technology and is not a marketing venue for industry.

Evening sessions will consist of: Product Development in Semiconductor Industry, 3-D Packaging coming to Reality, and Advanced Embedded Passive and Active device Technology. Itherm is collocated with ECTC.

**Rao Bonda**, Technical Vice President, presented a proposal for a Task Force on 3-D Electronics. This committee will provide an international forum for researchers and practitioners of 3-D electronics. Paul Franzon of North Carolina State University is taking the organizational lead. The scope will include processes, applications, and design of 3-D electronic systems and sub-assemblies.

**Rolf Aschenbrenner**, Vice President of Conferences, described the CPMT flagship conferences in 2008: ECTC in May at Disney World, ESTC in September in London, and EPTC in December in Singapore. He listed the 20 conferences that our Society has a major role in. Rolf described the merging of the ICEPT and HDP meetings in 2008. He then summarized the recent direction setting CPMT European meetings: Workshop on 3-D System Integration (Munich, Oct 2007), European Microelectronics and Packaging Conference & Exhibition (Oulu Finland, June 2007), Electronics System-Integration Technology Conference (London, Sept 2008), Electronics System-Integration Technology Conference (Berlin, Sept 2010), Polymers and Adhesives in Microelectronics and Photonics (Garmisch-Partenkirchen, Germany, August 2008), Spring Seminar on Electronics Technology (Budapest, May 2008).

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## IEEE-CPMT Society Awards for Year 2008

(Nomination Due Date: January 31, 2009)

Submitted by Dr. Kitty Pearsall, Strategic Director, IEEE CPMT Society

The CPMT Strategic Awards Director announces the call for nominations for their five, 2008 Society awards. The CPMT Society offers these awards for the purpose of recognizing outstanding service and contributions to furthering the professional purposes of IEEE and CPMT Society. While a nominee may have a specific award in mind when applying, the Awards Recognition Committee reserves the right to consider any nomination for awards other than the award suggested when, in its opinion, the support and justification may more appropriately apply to a different CPMT Society award. Winners will be notified by 28 February 2008 and the awards will be presented at the 58th Electronic Components and Technology Conference, May 27- My 30th, 2008, in Lake Buena Vista, Florida, USA.

After reviewing the high level summaries presented below, you will find a list of nomination submission requirements. The awards nomination form can be found on the CPMT Society Awards Home page ([www.cpmt.org/awards](http://www.cpmt.org/awards)).

➤ **David Feldman Outstanding Contribution Award:** This award recognizes outstanding contributions to the fields encompassed by the CPMT Society through executive or managerial directions.

**Prize:** \$2,500 and Certificate

**Basis for Judging:** Contributions to the organization or enterprises connected with the field, to CPMT Chapter, Section or Board of Governors activities, and to the fields encompassed by the CPMT Society.

**Eligibility:** Recipient must have been a member of IEEE and CPMT for the past five (5) years, including 2007.

➤ **Outstanding Sustained Technical Contributions Award:** This award recognizes outstanding sustained and continuing contributions to the technology in fields encompassed by the CPMT Society.

**Prize:** \$2,500 and Certificate

**Basis for Judging:** Technical contributions must be sustained and continuing over a period of at least five (5) and preferably ten (10) years. One major contribution *will not* qualify. Contributions must be documented by open literature publications